

ABSTRACT

Printing systems, softwares and methods permit an untrained user to
5 characterize unknown printing media. A printing system includes a printing device
that prints on a medium according to settings. The printing system also includes an
interface, and a controller for controlling the settings responsive to inputs from the
interface. The controller has an on line mode for printing while the settings are
unchanging, and an off line mode for calibration of the settings. While in the off line
10 mode, the controller is adapted to identify a plurality of calibration values for the
setting. The controller is further adapted to control the printing device to iteratively
set the setting of the printing device according to one of the first calibration values
and then print a sample image. This may take place for all the calibration values.
Having the sample images, the user selects the best one, and enters its a characteristic
15 number. That number is interpreted to derive the preferred calibration value for the
setting. The user may repeat the procedure for each of the various settings.